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(54) Title: PREPARATION OF ACRYLIC POLYMER SOL FOR COATING

(57) Abstract: Disclosed are acrylic polymer beads and an acrylic sol composition containing the acrylic polymer beads that are used for automobile underbody floor, wheel housing, fuel tank, body panel junction and hood, door, or the like for the purpose of water tightness, vibration isolation, and anticorrosion. More specifically, the acrylic polymer beads having a core/shell structure, which are prepared by using a part of the monomer constituting a core layer to form seeds by a seed polymerization, polymerizing the rest of the monomer to form a core layer and then forming a shell layer containing an appropriate amount of a crosslink agent, have a narrow particle size distribution and thereby provide, when used in addition to a plasticizer and a filler in the preparation of an acrylic sol composition for automobile, high storage stability of the acrylic sol and excellent properties of the coating formed by gelation of the acrylic sol.